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## NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

10/04/2005

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 PENNSYLVANIA AVENUE, N.W. WASHINGTON, DC 20037-3213

EXAMINER

PHUNKÜLH, BOB A

ART UNIT PAPER NUMBER

2661

DATE MAILED: 10/04/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/750,128	12/29/2000	Dong Kyu Kim	Q61480	6801

TITLE OF INVENTION: TIMING AND FREQUENCY OFFSET ESTIMATION SCHEME FOR OFDM SYSTEMS BY USING AN ANALYTIC TONE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	01/04/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

			or <u>Fax</u>	(571) 273-2885			
INSTRUCTIONS: This for appropriate. All further confindicated unless corrected maintenance fee notification	below or directed otherwise	smitting the ISSU Patent, advance on in Block 1, by (a	E FEE and PUB ders and notificati ) specifying a new	LICATION FEE (if rection of maintenance fees to correspondence address	quired). Blocks 1 through 5 si will be mailed to the current ss; and/or (b) indicating a sepa	hould be completed where correspondence address as trate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)  7590 10/04/2005			Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
SUGHRUE, MIC	ON, ZINN, MACPEA ANIA AVENUE, N.W		PLLC	C	ertificate of Mailing or Trans this Fec(s) Transmittal is being e with sufficient postage for fir ail Stop ISSUE FEE address SPTO (571) 273-2885, on the de-	mission g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.	
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	1	FIRST NAMED INV	'ENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/750,128	12/29/2000		Dong Kyu K	im	Q61480	6801	
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nonprovisional	NO	\$1400		\$300	\$1700	01/04/2006	
EXAMINER		ART UNIT		CLASS-SUBCLASS			
PHUNKUI	.Н, ВОВ А	2661		370-208000	<b>_</b>		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of or agents OR, a	a single firm (having as a member a cy or agent) and the names of up to nt attorneys or agents. If no name is			
3. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth ir (A) NAME OF ASSIGN	an assignee is identified be 37 CFR 3.11. Completion	clow, no assignee of this form is NOT	data will appear o Γ a substitute for fi	• • •	gnce is identified below, the d	ocument has been filed for	
				· _,··	Corporation or other private gro	oup entity Government	
4a. The following fec(s) are  Issue Fee	enciosed:	46	. Payment of Fee(s	s): e amount of the fee(s) is	enclosed.		
	mall entity discount permitte	ed)	_	redit card. Form PTO-20			
Advance Order - # of	Copies	·	The Director Deposit Account	is hereby authorized by Number	charge the required fee(s), or (enclose an extra c	credit any overpayment, to opy of this form).	
	MALL ENTITY status. See	37 CFR 1.27.	☐ b. Applicant is	s no longer claiming SM	ALL ENTITY status. Sec 37 C		
The Director of the USPTO NOTE: The Issue Fee and P interest as shown by the reco	is requested to apply the Issu ublication Fee (if required) words of the United States Pate	ue Fee and Publicat will not be accepted ent and Trademark	ion Fee (if any) or I from anyone othe Office.	to re-apply any previous than the applicant; a re	sly paid issue fee to the applicate gistered attorney or agent; or the	tion identified above. the assignce or other party in	
Authorized Signature				Date			
Typed or printed name					on No.		
This collection of informatic	in is required by 37 CFR 1.3	11 The information	n is required to ob	tain or retain a honofit h	the public which is to file (one	hu the LISPTO to process)	

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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•	N, ZINN, MACPEAK	PHUNKUL	PHUNKULH, BOB A		
WASHINGTON, D	ANIA AVENUE, N.W. OC 20037-3213		ART UNIT	PAPER NUMBER	
,			2661		

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# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 822 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 822 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.